



INFORMATION DISCLOSURE STATEMENT

Applicant : Hamilton, et al.
App. No : 09/851,230
Filed : May 8, 2001
For : METHOD OF TREATMENT AND
AGENTS USEFUL FOR SAME
Examiner : M. Belyavskyi
Art Unit : 1644

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 37 non-patent literature references to be considered by the Examiner. These 37 references are also enclosed.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 21 Aug. 2007

By: Daniel Altman

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		09851230
	Filing Date		2001-05-08
	First Named Inventor	Hamilton	
	Art Unit	1644	
	Examiner Name	Belyavskiy	
	Attorney Docket Number	DAVI122.002AUS	

U.S.PATENTS

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1	WILLIAMSON, D.J. et al., The detection and initial characterization of colony-stimulating factors in synovial fluid, Clinical & Experimental Immunology 72:67-73, 1988	<input type="checkbox"/>
2	XU, W.D. et al., Cytokines in chronic inflammatory arthritis. II. Granulocyte-macrophage colony-stimulating factor in rheumatoid synovial effusions. J Clin Invest 83:876-882, 1989	<input type="checkbox"/>
3	LEIZER, T. et al. Cytokine regulation of colony-stimulating factor production in cultured human synovial fibroblasts: I. Induction of GM-CSF and G-CSF production by interleukin-1 and tumor necrosis factor. Blood 76:1989-1996, 1990	<input type="checkbox"/>
4	ALVARO-GRACIA J. et al., Cytokines in chronic inflammatory arthritis. VI. Analysis of the synovial cells involved in granulocyte-macrophage colony-stimulating factor production and gene expression in rheumatoid arthritis and its regulation by IL-1 and tumor necrosis factor-alpha. J Immunol 146:3365-3371, 1991	<input type="checkbox"/>
5	DE VRIES, G. et al., Flare-up of rheumatoid arthritis during GM-CSF treatment after chemotherapy. Lancet 338:517-518, 1991	<input type="checkbox"/>
6	HAZENBERG, B. et al., Correction of granulocytopenia in Felty's syndrome by granulocyte- macrophage colony-stimulating factor. Simultaneous induction of interleukin-6 release and flare-up of the arthritis. Blood 74:2769-2770, 1989	<input type="checkbox"/>
7	LUBBE, A.S. et al., Improvement of pneumonia and arthritis in Felty's syndrome by treatment with granulocyte-macrophage colony-stimulating factor (GM-CSF). Blut 61:379-380, 1990	<input type="checkbox"/>
8	KAISER, U. et al., Felty's syndrome: favorable response to granulocyte-macrophage colony-stimulating factor in the acute phase. Acta Haematol 87:190-194, 1992	<input type="checkbox"/>
9	KRISHNASWAMY, G. et al., Resolution of the neutropenia of Felty's syndrome by longterm administration of recombinant granulocyte colony stimulating factor. J Rheumatol 23:763-765, 1996	<input type="checkbox"/>
10	CAMPBELL, I.K. et al., Granulocyte-macrophage colony stimulating factor exacerbates collagen induced arthritis in mice. Ann Rheum Dis 56:364-368, 1997	<input type="checkbox"/>
11	METCALF, D., The Florey Lecture, 1991. The colony-stimulating factors: discovery to clinical use. Philos Trans R Soc Lond B Biol Sci 333:147-173, 1991	<input type="checkbox"/>

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12	ROBERTSON, F.M. et al., Granulocyte-macrophage colony stimulating factor gene expression and function during tumor promotion. Carcinogenesis 15:1017-1029, 1994	<input type="checkbox"/>
13	VASUNIA, K.B. et al., Granulocyte-macrophage colony-stimulating factor (GM-CSF) is expressed in mouse skin in response to tumor-promoting agents and modulates dermal inflammation and epidermal dark cell numbers. Carcinogenesis 15:653-660, 1994	<input type="checkbox"/>
14	HERCUS, T. et al., Specific Human Granulocyte-Macrophage Colony-Stimulating Factor Antagonists. PNAS 91:5838-5842, 1994	<input type="checkbox"/>
15	KINNE, R.W. et al., Macrophages in rheumatoid arthritis. Arthritis Res 2:189-202, 2000	<input type="checkbox"/>
16	STANLEY, E. et al., Granulocyte/macrophage colony-stimulating factor-deficient mice show no major perturbation of hematopoiesis but develop a characteristic pulmonary pathology. Proc Natl Acad Sci U S A 91:5592-5596, 1994	<input type="checkbox"/>
17	PAINE, R. et al., Impaired functional activity of alveolar macrophages from GM-CSF-deficient mice. Am J Physiol Lung Cell Mol Physiol 281:L1210-1218, 2001	<input type="checkbox"/>
18	DRANOFF, G. et al., Involvement of granulocyte-macrophage colony-stimulating factor in pulmonary homeostasis. Science 264:713-716, 1994	<input type="checkbox"/>
19	COYLE, A.J. et al., Interleukin-4 is required for the induction of lung Th2 mucosal immunity. Am J Respir Cell Mol Biol 13:54-59, 1995	<input type="checkbox"/>
20	FINKELMAN, F.D. et al., Anti-cytokine antibodies as carrier proteins. Prolongation of in vivo effects of exogenous cytokines by injection of cytokine-anti-cytokine antibody complexes. J Immunol 151:1235-1244, 1993	<input type="checkbox"/>
21	SATO, T.A. et al., Recombinant soluble murine IL-4 receptor can inhibit or enhance IgE responses in vivo. J Immunol 150:2717-2723, 1993	<input type="checkbox"/>
22	ELSE, K.J. et al., Cytokine-mediated regulation of chronic intestinal helminth infection. J Exp Med 179:347-351, 1994	<input type="checkbox"/>

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23	BEAVITT, S.-J.E. et al., Lyn-Deficient Mice Develop Severe, Persistent Asthma: Lyn Is a Critical Negative Regulator of Th2 Immunity, The Journal of Immunology, 2005, 175: 1867-1875	<input type="checkbox"/>
24	CAMPBELL, I.K. et al., Protection from Collagen-Induced Arthritis in Granulocyte-Macrophage Colony-Stimulating Factor-Deficient Mice, The Journal of Immunology, 1998, 161:3639-3644	<input type="checkbox"/>
25	CAMPBELL, I.K. et al., The colony-stimulating factors and collagen-induced arthritis: exacerbation of disease by M-CSF and G-CSF and requirement for endogenous M-CSF, Journal of Leukocyte Biology, Volume 68, July 2000, 144-150	<input type="checkbox"/>
26	CAMPBELL, I.K. et al., HUMANARTICULAR CARITILAGE AND CHONDROCYTES PRODUCE HEMOPOIETIC COLONY-STIMULATING FACTORS IN CULTURE IN RESPONSE TO IL-1, THE JOURNAL OF IMMUNOLOGY Vo. 147. 1238-1246, No. 4, August 15, 1991	<input type="checkbox"/>
27	FIRESTEIN, G.S. et al., CYTOKINES IN CHRONIC INFLAMMATORY ARTHRITIS, The Rockefeller University Press Volume 168, November 1988, 1573-1586	<input type="checkbox"/>
28	NAKAJIMA, H. et al., The effect of treatment with interferon-gamma on type II collagen-induced arthritis, Clin. exp. Immunol. 81, 441-445, 1990	<input type="checkbox"/>
29	JOOSTEN, L.A.B. et al., Dual Role of IL-12 in Early and Late Stages of Murine Collagen Type II Arthritis, The Journal of Immunology, 1997, 159: 4094-4102	<input type="checkbox"/>
30	SZELIGA, J. et al., IL-12 promotes cellular but not humoral type II collagen-specific Th1-type responses in C57BL/6 and B10. Q mice and fails to induce arthritis, International Immunology, Vol. 8, No. 8, 1221-1227, 1996	<input type="checkbox"/>
31	CAMPBELL, I.K. et al., Production of macrophage colony-stimulating factor (M-CSF) by human articular cartilage and chondrocytes. Mudulation by interleukin-1 and tumor necrosis factor α , Biochimica et Biophysica Acta, 1182 57-63, 1993	<input type="checkbox"/>
32	CAMPBELL, I.K. et al., Collagen-induced arthritis in C57BL/6(H-2b) mice: new insights into an important disease model of rheumatoid arthritis, Eur. J. Immunol. 2000, 30: 1568-1575	<input type="checkbox"/>
33	HAMILTON, J.A. et al., Regulation of Macrophage Colony-Stimulating Factor (M-CSF) Production in Cultured Human Synovial Fibroblasts, Growth Factors, 1993, Vol 9, 157-165	<input type="checkbox"/>

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	34	MAURITZ, N.J. et al., TREATMENT WITH GAMMA-INTERFERON TRIGGERS THE ONSET OF COLLAGEN ARTHRITIS IN MICE, Arthritis and Rheumatism, Vol. 31, No. 10, 1988	<input type="checkbox"/>
	35	GERMANN, T. et al., Characterization of the Adjuvant Effect of IL-12 and Efficacy of IL-12 Inhibitors in Type II Collagen-Induced Arthritis, Annal. NY Acad. Sci., 1996 Oct 31, 795: 227-240	<input type="checkbox"/>
	36	McIntyre, K.W. et al., Reduced incidence and severity of collagen-induced arthritis in interleukin-12-deficient mice, Eur. J. Immunol. 1996, 26: 2933-2938	<input type="checkbox"/>
	37	BOISSIER, M.-C. et al., Biphasic effect of interferon- γ in murine collagen-induced arthritis, Eur. J. Immunol. 1995, 25: 1184-1190	<input type="checkbox"/>
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